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an adjustable clamping device comprising:

a pneumatic cavity configured to provide a force on the mobile structure in said transverse direction thereby adjusting a clamping force of the mobile structure on the fuel assembly in response to pressure changes in the pneumatic cavity, and

an air inlet control device located at said distal end of said compartment in the longitudinal direction and configured to provide air to said pneumatic cavity to clamp the fuel assembly in a fixed position within the compartment.

29. (Twice amended) Device according to claim 17, wherein the combined guide elements and the adjustable clamping device comprise:

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a cylindrical jack body with a transverse axis, rigidly attached to the fixed structure comprising a guide rod in which a compressed air inlet duct has been formed along its axis projecting from its free end, a plurality of cylindrical chambers at its periphery with an axis parallel to the jack axis, each of the chambers containing a compression spring, the springs clamping the mobile structure into the fuel assembly,

a fixed piston rigidly attached to the said free end of the guide rod comprising a seal at its periphery,

a mobile collar rigidly attached to the mobile structure located inside the jack body and adjusted to the shape of said jack body, this collar being inserted between the fixed piston and the jack body and sliding along the guide rod along a corresponding bore formed in said collar, said collar also comprising at its periphery a plurality of housings that nest in an adjusted manner into each of the chambers by moving transversely to the longitudinal direction of the fuel assembly,

wherein said air inlet control device comprises a compressed gas supply means opening at an accessible end of the compartment and carrying gas into a pneumatic cavity located between the fixed piston and the mobile collar through the duct.

✓ Please cancel claim 32 without prejudice.